

RHIC & AGS USERS' EXECUTIVE COMMITTEE

August 9, 2002

Berkner Hall, Room C

11:45 to 2:00

Dial in connection: 631-344-8261

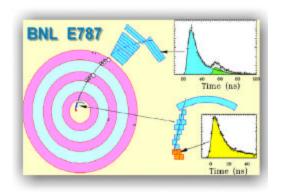
AGS users'group www.phy.bnl.gov/users

AGENDA

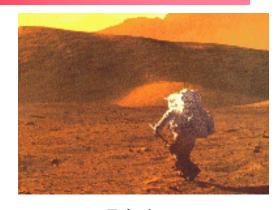
- o 11:45 Opening Remarks: Richard Seto
- o 12:00 Cyber Security Audits: Connie Sadler (ITD)
- o 12:25 Staff Services: Jeff Swenson (Manager, Staff Services)
- o 12:45 Accelerator Test Facility (ATF): I lan Ben-Zvi
- o 1:00 Foreign Visits & Assignments: Susan White-DePace
- o 1:10 Association of Students & Post-docs: Jeff Mitchell
- o 1:20 Final Preparations for the Annual Meeting
 - Final Agenda: Mike Lisa
 - Bi-laws: Bob Chrien
 - Nominations/Elections: Richard Seto
 - Thesis Awards: Richard Seto
 - Posters Marzia
- Next UEC meeting: Sept 13
- ➤ USERS' MEETING: Sept 20-21



Who are we?

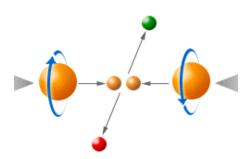


Organization of Users of RHIC/AGS
Complex

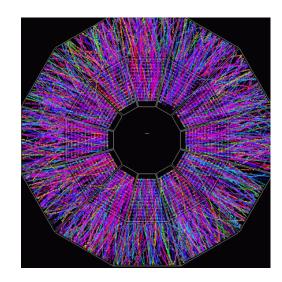


Biology (Booster Applications Facility - BAF)

Particle Physics (AGS)



Medium Energy Spin Physics (RHIC)



Nuclear Physics (RHIC)

-Ideas for a better name anyone?



Accelerator Physics (Accelerator Test Facility - ATF)



Some new issues

- Results from the RHIC review of last week
 - The Laboratory has worked hard during the last year to work with users to address their concerns. Considerable progress has been made, but this effort needs continuing attention. International representation on the RHIC/AGS UEC should be considered to help facilitate this.
- Orbach invited
- I would like to wait till AFTER Users meeting for the following
 - Our NAME!
 - More changes to bylaws
 - Consolidate web pages to User's center(?)

RHIC Annual Program Review Brookhaven National Laboratory July 30 – August 2, 2002

Closeout statements:

- 1. The results from RHIC during the last year are truly impressive. –All four HI collaborations have contributed to a wide variety of exciting and unanticipated results. The detectors are on track to complete their planned systems according to schedule. Everyone is to be congratulated for this outstanding success.
- 2. The polarized proton beam was commissioned successfully and initial measurements were made. However, it was established that a strong partial Siberian snake will need to be placed in the AGS in order to overcome depolarizing resonances. This is a somewhat challenging project, but it seems to be proceeding in a satisfactory way.
- 3. The polarized jet target is needed on order to establish the 5% precision in the absolute polarization measurements. An aggressive schedule calls for installation in 2003. A final design review would be appropriate to ensure satisfactory performance.
- 4. The Laboratory has worked hard during the last year to work with users to address their concerns. Considerable progress has been made, but this effort needs continuing attention. International representation on the RHIC/AGS UEC should be considered to help facilitate this.

- 1. We are concerned with the lean local physics groups in the RHIC experiments. We feel that these groups need to be strengthened in terms of manpower to be able to ensure the day-to-day operation of the detectors. This is of utmost importance for outside users. Most of the operational tasks cannot be performed remotely and without a strong in-house group the experiments will suffer problems.
- 2. Initial operations of the RHIC accelerator can be characterized best by the "usual startup difficulties" followed by improving operations that were rapidly approaching planned levels by the end of the last run. The integrated luminosity delivered was less than the plan, yet adequate for the experiments to get a good start on detector commissioning and physics analysis.
- 3. The plan for RHIC luminosity increases seems sensible, but the full x40 increase incorporated into the emerging RHIC II plan has not been defended on a physics basis vs. other use of these funds like increased running time with various ion species, polarization, or detector upgrades.

- 1. The RHIC experiments have vastly different luminosity requirements. Several experiments said they would trade integrated luminosity with one species for more variation in particle species, spin, or machine energy. It was not clear what the mechanism was for making the long-term plan for RHIC running such that the physics output of the overall program is maximized.
 - a. **Recommendation:** A multiyear plan for RHIC operations should be developed in full consultation with the user community.
- 2. The RHIC physics program is just starting. The compelling scientific case for the overall RHIC II upgrade has not yet been made. Limited running time and data analysis has occurred to date on RHIC experiments. As a result it is not obvious that the full extent of detector upgrades required for RHIC II is yet understood. The relative priorities of the various experiments should be established based on the possible physics gains and costs.
- 3. The amount of detector R&D funds available in the FY03 President's budget allows the BNL Physics Department to spend \$0.5 to 1.0M of detector R&D in FY03. It was not shown exactly what the FY03 funds would be used for or what would be delayed if less than the desired \$1.0M were available.
 - a. **Recommendation:** Physics and detector performance driven arguments should support the plans and level of BNL spending on detector R&D activities.

- 1. It is not obvious that the RHIC II accelerator and detector upgrades should logically be lumped together into one big project. The schedules shown at the review for RHIC II seem to be very optimistic. It seems premature to try to define and baseline all upgrades as one big project. Particularly until more information is available from the first phase of RHIC operations.
 - a. **Recommendation:** BNL and DOE should examine the plans, timescale, and scope of RHIC II. The elements of the RHIC II program should be physics driven.
 - b. **Recommentation:** BNL and DOE should establish a mechanism for making priority ordered lists of detector and accelerator upgrades with the priority established based opon physics arguments for the upgrade, cost, and time scale. BNL should work with the DOE to develop methods to fund these incremental projects.
 - c. **Example:** The EBIS pre-injector is intended to replace the tandems and expand performance. The R&D was successfully completed; the construction cost is estimated as \$17M. It currently requires 20 FTE to operate and maintain the two tandems. The FY05-06 tandem AIP request for controls and availability is estimated to be \$5M. It appears that the EBIS project would have much less than a five-year payback, if one considers operating cost, AIP program, and RHIC downtime. (At the OPS review BNL stated 2.5 year payback.). Therefore one may consider EBIS a stand-alone project, since it would have an extremely short payback.



Nominees

- Nominating committee rks, berndt, jim thomas, Jeff (student) and anyone else who has a good victim in mind
- 3 Vacancies
 - Rosati(PHENIX), Mitchell(PHENIX),
- Nominees
 - Vicki Green Vanderbilt PHENIX
 - Fuqiang Wang Purdue STAR
 - Steve Pate NM State PHENIX
 - Marcelo Vazquez BNL BAF
 - Dave Hofman Univ of Ill, Chicago PHOBOS
 - Adam Russeck BNL AGS/BAF
- Issues
 - Need a person from outside US
 - Students??



Addition to users meeting

- ATF
- RHIC adventure from the education people



Schedule

- Bios on web ASAP
- Voting Starts in ~ 1 Week and continues
- Last day voting on Sept 20 (at the meeting)-midnight
- Announce winners on 21st



Thesis awards

- Committee: Glenn Young (chair), Berndt Muller, Dave Hertzog
- 11 thesis delivered
- Committee schedule
 - Will read thesis by end of month
 - Think
 - Report winner(s) to susan 1-2 weeks before meeting
- Number/amount of awards?



Student on UEC

- Proposal
 - Vote on student candidate
 - Approve By-laws at meeting
 - Then seat student on the UEC
- By-Law Change Jeff



Appointed members of UEC

- Proposal to have chair appoint 2 members to UEC which are ratified by the "new" UEC
 - 1 appointed every other year for a 2 year term.
 To begin, one of the appointees designated by the UEC will serve 3 years.
- To balance membership
 - Fields
 - Nations (note result of RHIC review)
 - University/lab, male/female, senior/junior etc
- Change to Charter rich/bob

CHARTER COLLIDER-ACCELERATOR USERS GROUP

The name of this organization shall be the "Collider-Accelerator Users Group." Its purpose is to provide an organized channel for the interchange of information between the Laboratory administration and those who use BNL's nuclear, high energy, and heavy ion facilities. Representing a wide spectrum of research workers, the group will make known to the BNL administration the needs and desires of those actively engaged in leading research projects, while providing a means for BNL to inform them of current and future plans for the Laboratory. It is expected that this will enable the Laboratory administration better to evaluate the needs of its users so they can more efficiently plan their use of Laboratory facilities.

A. ORGANIZATION

- 1. Membership:
- a. Membership shall be open to scientists who are <u>interested in doing research at the Collider-Accelerator Complex"</u>
- b. BNL employees holding the following positions are registered as Ex Officio members of the group: The Director, the responsible Associate Directors, the Chairs of the Collider-Accelerator and Physics Departments, the Division Heads of the Accelerator and Experimental Support Facilities of the Collider-Accelerator Department, and the Director of the Collider-Accelerator Users Center.

R2. Officers:



- a. The officers of the Group are the Chair, Chair-elect, and the Past Chair. The Chair will serve as the executive officer of the Group. A Chair-elect shall be elected by plurality vote of the membership every year, and will assume the duties of the Chair in the second year following his election. The Past Chair will assist the Chair in his duties for one year after his tenure as Chair. At least two candidates for the Chair shall be presented by a Nominating Committee and/or by nomination from the floor.
- b. A Secretary shall be appointed by the Chairman to serve at his discretion and shall be an Ex-Officio member of the Users Group and its Executive Committee.

3. Standing Committees:

- a. The Executive Committee (UEC) shall consist of the Chair, Chair-elect, and Past Chair and six other members elected by written ballot for three-year terms. Members of the UEC shall rotate; three new members (one of which is the Chair-elect) shall be chosen each year. Nominations shall be made by the Nominating Committee and/or by nominations from the floor. The Executive Committee shall function as the Agenda Committee and assist the Chair in his administrative duties. Consultants on special aspects of particular problems may be called to attend meetings of the UEC at the discretion of the Chairman.
- b. The Nominating Committee shall consist of four members appointed by the Executive Committee. The Nominating Committee is charged with preparing a slate of candidates for election of the Chair-elect, and Executive Committee members. The slate should reflect a balance of interests among active fields of research at the BNL facilities.



Change to the Standing Committees section

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- The Executive Committee (UEC) shall consist of the Chair, Chair-elect, Past Chair, six other members elected by written/electronic ballot for three year terms, a student member also elected by written/electronic ballot, and two appointed members. Nominations for the election positions shall be made by the Nominating Committee after solicitation from the membership of the User's group. One appointed member shall be nominated by the chairman and confirmed by the UEC each year for a term of two years. The Executive Committee.....

B. MEETINGS OF THE USER GROUP

- ■1. Meetings shall be called at the discretion of the Chair except that a minimum of one meeting shall be held annually. The location of the meeting shall be selected at the discretion of the Chairman. Except in unusual circumstances, notice of the meetings shall be give at least one month in advance to all members.
- 2. An agenda for each meeting shall be provided by the Chair with the aid and advice of the Executive Committee. A short written summary of the items on the agenda shall be provided to the members at least one week in advance of the date of the meeting.

C. EXECUTIVE COMMITTEE PROCEDURAL RULES

- 1. Minutes of the Executive Committee meetings shall be recorded by the Secretary and shall include a brief résumé of the results of the deliberations. After approval by the Chairman, copies of the minutes shall be provided to all regular members of the Executive Committee. The term regular member is understood to be an elected member as defined under A3a above.
- 2. Attendance at Executive Committee meetings by more than one-third of the elected members shall constitute a quorum. On specific questions, the Chairman may call for a vote to determine the results of the deliberations if a quorum is present. A majority vote shall constitute the recommendation of the Executive Committee, except that any three elected members in attendance can call for a written vote by the entire membership. In the absence of a quorum, no official action can be taken.

11/7/01

CHARTER

RHIC/AGS USERS GROUP

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RHIC ORGANIZATION

1. Membership:

- Membership shall be open to scientists who are interested in nuclear, high energy or heavy-ion research.
- b. BNL scientists holding the following positions are invited to be Ex Officio members of the group: The Director, the responsible Associate Directors, the Chair and Associate Chairs of the Physics Department, the Chair of the Collider-Accelerator Department, and the operating heads of the Accelerator and Experimental Support & Facilities Divisions of the C-A Department.
- Consultants on special aspects of particular problems may be called to attend meetings at the discretion of the Chairman.

Officers:

- a. A Chairman shall be elected by plurality vote of the membership every two years. At least two candidates for Chairman shall be presented by a Nominating Committee and/or by nomination from the floor.
- A Secretary shall be appointed by the Chairman to serve at his discretion and shall be an Ex-Officio member of the Users Group and its Executive Committee.

Standing Committees:

- a. The Executive Committee shall consist of the Chairman and seven other members elected by written ballot for three-year terms. Members of the Committee shall rotate; two or three new members shall be elected each year. Nominations shall be made by the Nominating Committee and/or by nominations from the floor. The Executive Committee shall function as the Agenda Committee and as an Advisory Committee to the Chairman on matters relating to user affairs.
- b. The Nominating Committee shall consist of four members appointed by the Executive Committee. The Nominating Committee is charged with preparing a slate of candidates for election of Chairman and Executive Committee members. The slate should include at least two candidates for the office of Chairman in years when a Chairman is to be elected, and at least one more candidate than the number of Executive Committee members to be elected. The slate should reflect a balance of interests among active fields of research at the BNL facilities, in particular, between nuclear, high energy, and heavy ion physics.
- c. The Chairman shall remain as a member of the Executive Committee for one year following the expiration of his/her tenure as Chairman. In years when an ex-Chairman is on the Committee, the total Committee membership is increased from eight to nine.



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